```
                RAW SEQUENCE LISTING              DATE: 05/16/2001
                PATENT APPLICATION:  US/09/848,616 TIME: 13:46:54


                   Input Set : A:\seqlist 1700 0180002.txt
                   Output Set: N:\CRF3\05162001\I848616.raw


      4 <110> APPLICANT: Sebbel, Peter
      5         Dunant, Nicolas
      6         Bachmann, Martin
      7         Tissot, Alain
      8         Lechner, Franziska
     10 <120> TITLE OF INVENTION: Molecular Antigen Array
     13 <130> FILE REFERENCE: 1700.0180002
C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/848,616
C--> 16 <141> CURRENT FILING DATE: 2001-05-04
     18 <160> NUMBER OF SEQ ID NOS: 186
     20 <170> SOFTWARE: PatentIn Ver. 2.1
     22 <210> SEQ ID NO: 1
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     24 <212> TYPE: DNA
     25 <213> ORGANISM: Artificial Sequence
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     28 <223> OTHER INFORMATION: Primer
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     48 <212> TYPE: DNA
     49 <213> ORGANISM: Artificial Sequence
     51 <220> FEATURE:
     52 <223> OTHER INFORMATION: Primer
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     63 <220> FEATURE:
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     72 <212> TYPE: DNA
     73 <213> ORGANISM: Artificial Sequence
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75 <220> FEATURE:
76 <223> OTHER INFORMATION: Primer
78 <400> SEQUENCE: 5
79 ccttctttaa cggtggttac ctgctggcaa ccaacgtggt tcatgac   47
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83 <211> LENGTH: 40
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Primer
90 <400> SEQUENCE: 6
91 aagcatgctg cacgcgtgtg cggtggtcgg atcgcccggc   40
94 <210> SEQ ID NO: 7
95 <211> LENGTH: 90
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Primer
102 <400> SEQUENCE: 7
103 gggtctagat tcccaaccat tcccttatcc aggcttttg acaacgctat gctccgcgcc 60
104 catcgtctgc accagctggc ctttgacacc   90
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109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Primer
115 <400> SEQUENCE: 8
116 gggtctagaa ggaggtaaaa aacgatgaaa aagacagcta tcgcgattgc agtggcactg 60
117 gctggtttcg ctaccgtagc gcaggccttc ccaaccattc ccttatcc   108
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123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Primer
128 <400> SEQUENCE: 9
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133 <211> LENGTH: 24
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135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Primer
140 <400> SEQUENCE: 10
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144 <210> SEQ ID NO: 11
145 <211> LENGTH: 41
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        Input Set : A:\seqlist 1700 0180002.txt
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147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Primer
152 <400> SEQUENCE: 11
153 ccgcggaaga gccaccgcaa ccaccgtgtg ccgccaggat g   41
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161 <220> FEATURE:
162 <223> OTHER INFORMATION: Primer
164 <400> SEQUENCE: 12
165 ctatcatcta gaatgaatag aggattcttt aac   33
168 <210> SEQ ID NO: 13
169 <211> LENGTH: 15
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Modified ribosome
175   binding site
177 <400> SEQUENCE: 13
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186 <220> FEATURE:
187 <223> OTHER INFORMATION: signal peptide
189 <400> SEQUENCE: 14
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191 1   5   10   15
193 Thr Val Ala Gln Ala
194   20
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198 <211> LENGTH: 46
199 <212> TYPE: PRT
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202 <220> FEATURE:
203 <223> OTHER INFORMATION: modified Fos
204   construct
206 <400> SEQUENCE: 15
207 Cys Gly Gly Leu Thr Asp Thr Leu Gln Ala Glu Thr Asp Gln Val Glu
208 1   5   10   15
210 Asp Glu Lys Ser Ala Leu Gln Thr Glu Ile Ala Asn Leu Leu Lys Glu
211   20   25   30
213 Lys Glu Lys Leu Glu Phe Ile Leu Ala Ala His Gly Gly Cys
214   35   40   45
217 <210> SEQ ID NO: 16
218 <211> LENGTH: 6

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220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
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225 <400> SEQUENCE: 16
226 Ala Ala Ala Ser Gly Gly
227   1               5
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231 <211> LENGTH: 6
232 <212> TYPE: PRT
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: peptide linker
238 <400> SEQUENCE: 17
239 Gly Gly Ser Ala Ala Ala
240   1               5
243 <210> SEQ ID NO: 18
244 <211> LENGTH: 256
245 <212> TYPE: DNA
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248 <220> FEATURE:
249 <223> OTHER INFORMATION: Fos fusion construct
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252 gaattcagga ggtaaaaaac gatgaaaaag acagctatcg cgattgcagt ggcactggct 60
253 ggtttcgcta ccgtagcgca ggcctgggtg ggggcggccg cttctggtgg ttgcggtggt 120
254 ctgaccgaca ccctgcaggc ggaaaccgac caggtggaag acgaaaaatc cgcgctgcaa 180
255 accgaaatcg cgaacctgct gaaagaaaaa gaaaagctgg agttcatcct ggcggcacac 240
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← move to left

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261 <212> TYPE: PRT
262 <213> ORGANISM: Artificial Sequence
264 <220> FEATURE:
265 <223> OTHER INFORMATION: Fos fusion construct
267 <400> SEQUENCE: 19
268 Ala Ala Ala Ser Gly Gly Cys Gly Gly Leu Thr Asp Thr Leu Gln Ala
269                 5                  10                   15
271 Glu Thr Asp Gln Val Glu Asp Glu Lys Ser Ala Leu Gln Thr Glu Ile
272             20                  25                  30
274 Ala Asn Leu Leu Lys Glu Lys Glu Lys Leu Glu Phe Ile Leu Ala Ala
275         35                  40                  45
277 His Gly Gly Cys
278     50
282 <210> SEQ ID NO: 20
283 <211> LENGTH: 261
284 <212> TYPE: DNA
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
288 <223> OTHER INFORMATION: Fos fusion
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            RAW SEQUENCE LISTING              DATE: 05/16/2001
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            Input Set : A:\seqlist 1700 0180002.txt
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289       construct
291 <220> FEATURE:
292 <221> NAME/KEY: CDS
293 <222> LOCATION: (22)..(240)
295 <400> SEQUENCE: 20
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297                        Met Lys Lys Thr Ala Ile Ala Ile Ala Val
298                         1           5                   10
300 gca ctg gct ggt ttc gct acc gta gcg cag gcc tgc ggt ggt ctg acc    99
301 Ala Leu Ala Gly Phe Ala Thr Val Ala Gln Ala Cys Gly Gly Leu Thr
302             15              20                  25
304 gac acc ctg cag gcg gaa acc gac cag gtg gaa gac gaa aaa tcc gcg   147
305 Asp Thr Leu Gln Ala Glu Thr Asp Gln Val Glu Asp Glu Lys Ser Ala
306         30              35                  40
308 ctg caa acc gaa atc gcg aac ctg ctg aaa gaa aaa gaa aag ctg gag   195
309 Leu Gln Thr Glu Ile Ala Asn Leu Leu Lys Glu Lys Glu Lys Leu Glu
310         45              50                  55
312 ttc atc ctg gcg gca cac ggt ggt tgc ggt ggt tct gcg gcc gct      240
313 Phe Ile Leu Ala Ala His Gly Gly Cys Gly Gly Ser Ala Ala Ala
314     60              65                  70
316 gggtgtgggg atatcaagct t                                         261
319 <210> SEQ ID NO: 21
320 <211> LENGTH: 73
321 <212> TYPE: PRT
322 <213> ORGANISM: Artificial Sequence
324 <220> FEATURE:
325 <223> OTHER INFORMATION: Fos fusion
326       construct
328 <400> SEQUENCE: 21
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330   1           5                   10                  15
332 Thr Val Ala Gln Ala Cys Gly Gly Leu Thr Asp Thr Leu Gln Ala Glu
333             20              25                  30
335 Thr Asp Gln Val Glu Asp Glu Lys Ser Ala Leu Gln Thr Glu Ile Ala
336         35              40                  45
338 Asn Leu Leu Lys Glu Lys Glu Lys Leu Glu Phe Ile Leu Ala Ala His
339     50              55                  60
341 Gly Gly Cys Gly Gly Ser Ala Ala Ala
342  65               70
346 <210> SEQ ID NO: 22
347 <211> LENGTH: 196
348 <212> TYPE: DNA
349 <213> ORGANISM: Artificial Sequence
351 <220> FEATURE:
352 <223> OTHER INFORMATION: Fos fusion
353       construct
355 <220> FEATURE:
356 <221> NAME/KEY: CDS
357 <222> LOCATION: (34)..(189)
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Please Note:

Use f n and/ r Xaa have been detect d in the Sequence Listing. Please review the Sequence Listing to ensure that a c rresponding explanati n is presented in the <220> to <223> fields f each sequence which presents at least ne n r Xaa.

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L:15 M:270 C: Current Application Number differs, Replaced Application Number
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:381 M:283 W: Missing Blank Line separator, <220> field identifier
L:2378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111